

FIGURE 1

20  
22 ~<person>  
24 ~<name> John</name>  
26 ~<surname> Smith</surname>  
28 ~</person>

FIGURE 2

40  
42 ~<schema>  
44 ~<element name="person">  
46 ~<complex type>  
48 ~<sequence>  
50 ~<element name = "name">  
52 ~<element name = "surname">  
54 ~</sequence>  
56 ~</complex type>  
58 ~</element name>  
60 ~</schema>

FIGURE 3

70  
72 ~ class Person {  
74 ~ String name;  
76 ~ String surname;  
78 ~ String getName( ) { }  
80 ~ String getSurname( ) { }  
82 ~ void setName(String newName) { }  
84 ~ void setSurname(String newSurname) { }  
}

FIGURE 4

90

```
92 ~ class Person {
94 ~ static class Name extends SimpleTypeString {
96 ~ public static String name() { return "name";}
98 ~ public Name(String v) { super (v);}
    }
100 ~ static class Surname extends SimpleTypeString {
102 ~ public static String name() { return "surname";}
104 ~ public Surname(String v) { super (v);}
    }
106 ~ protected void structure() {
108 ~ addParticle(new SequenceParticle(){
110 ~ protected void structure() {
112 ~ addParticle(new ElementParticle("name"));
114 ~ addParticle(new ElementParticle("surname"));
    }
    }
    }
    };
```

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Figure 5

120

122 ~

124 ~

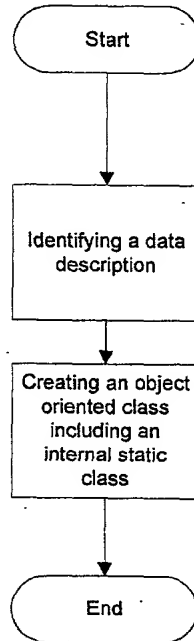


Figure 6

